#2. 0590
05/25 OIPE

RAW SEQUENCE LISTING                    DATE: 05/30/2001
PATENT APPLICATION:   US/09/766,378A       TIME: 12:27:05

Input Set : **A:\PTO.txt**
Output Set: **C:\CRF3\05302001\I766378A.raw**

ENTERED

**SEQUENCE LISTING**
```
C--> 3 (1) GENERAL INFORMATION:
     5        (i) APPLICANT: Rhode, Peter R.
     6                       Acevedo, Jorge
     7                       Burkhardt, Martin
     8                       Jiao, Jin-an
     9                       Wong, Hing C.
C--> 11      (ii) TITLE OF INVENTION: SOLUBLE MHC COMPLEXES AND
    12                               METHODS OF USE THEREOF
    14     (iii) NUMBER OF SEQUENCES: 38
    16      (iv) CORRESPONDENCE ADDRESS:
    17           (A) ADDRESSEE: Dike, Bronstein, Roberts & Cushman, LLP
    18           (B) STREET: 130 Water Street
    19           (C) CITY: Boston
    20           (D) STATE: MA
    21           (E) COUNTRY: usa
    22           (F) ZIP: 02109
    24       (v) COMPUTER READABLE FORM:
    25           (A) MEDIUM TYPE: Diskette
    26           (B) COMPUTER: IBM Compatible
    27           (C) OPERATING SYSTEM: DOS
    28           (D) SOFTWARE: FastSEQ for Windows Version 2.0
    30      (vi) CURRENT APPLICATION DATA:
C--> 31           (A) APPLICATION NUMBER: US/09/766,378A
C--> 32           (B) FILING DATE: 19-Jan-2001
    33           (C) CLASSIFICATION:
    35     (vii) PRIOR APPLICATION DATA:
    36           (A) APPLICATION NUMBER: 08/960,190
    37           (B) FILING DATE: 29-OCT-1997
    39    (viii) ATTORNEY/AGENT INFORMATION:
    40           (A) NAME: Corless, Peter F
    41           (B) REGISTRATION NUMBER: 33,860
    42           (C) REFERENCE/DOCKET NUMBER: 48002-DIV
    44      (ix) TELECOMMUNICATION INFORMATION:
    45           (A) TELEPHONE: 617-523-3400
    46           (B) TELEFAX: 617-523-6440
    47           (C) TELEX:
    50 (2) INFORMATION FOR SEQ ID NO: 1:
    52       (i) SEQUENCE CHARACTERISTICS:
    53           (A) LENGTH: 8 base pairs
    54           (B) TYPE: nucleic acid
    55           (C) STRANDEDNESS: single
    56           (D) TOPOLOGY: linear
    58      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
    60    CCACCATG                                                 8
    62 (2) INFORMATION FOR SEQ ID NO: 2:
    64.      (i) SEQUENCE CHARACTERISTICS:
```

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Input Set : A:\PTO.txt
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```
65              (A) LENGTH: 43 base pairs
66              (B) TYPE: nucleic acid
67              (C) STRANDEDNESS: single
68              (D) TOPOLOGY: linear
71      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
73 CCCCCCAAGC TTCCGGGCCA CCATGGCTCT GCAGATCCCC AGC              43
75 (2) INFORMATION FOR SEQ ID NO: 3:
77       (i) SEQUENCE CHARACTERISTICS:
78              (A) LENGTH: 34 base pairs
79              (B) TYPE: nucleic acid
80              (C) STRANDEDNESS: single
81              (D) TOPOLOGY: linear
84      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
86 CCCCCCACTT AAGGTCCTTG GGCTGCTCAG CACC                         34
88 (2) INFORMATION FOR SEQ ID NO: 4:
90       (i) SEQUENCE CHARACTERISTICS:
91              (A) LENGTH: 37 base pairs
92              (B) TYPE: nucleic acid
93              (C) STRANDEDNESS: single
94              (D) TOPOLOGY: linear
97      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
99 GGGGGGGCCA TGGCCGGAAA CTCCGAAAGG CATTTCG                      37
102 (2) INFORMATION FOR SEQ ID NO: 5:
104       (i) SEQUENCE CHARACTERISTICS:
105              (A) LENGTH: 32 base pairs
106              (B) TYPE: nucleic acid
107              (C) STRANDEDNESS: single
108              (D) TOPOLOGY: linear
110      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
112 GCGGCGACTA GTCCACTCCA CAGTGATGGG GC                          32
115 (2) INFORMATION FOR SEQ ID NO: 6:
116       (i) SEQUENCE CHARACTERISTICS:
117              (A) LENGTH: 36 base pairs
118              (B) TYPE: nucleic acid
119              (C) STRANDEDNESS: single
120              (D) TOPOLOGY: linear
122      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
124 GGGGGGGCCA TGGCCGAAGA CGACATTGAG GCCGAC                      36
127 (2) INFORMATION FOR SEQ ID NO: 7:
129       (i) SEQUENCE CHARACTERISTICS:
130              (A) LENGTH: 32 base pairs
131              (B) TYPE: nucleic acid
132              (C) STRANDEDNESS: single
133              (D) TOPOLOGY: linear
135      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
137 GCGCGACTAG TCCAGTGTTT CAGAACCGGC TC                          32
140 (2) INFORMATION FOR SEQ ID NO: 8:
142       (i) SEQUENCE CHARACTERISTICS:
143              (A) LENGTH: 31 base pairs
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```
144              (B) TYPE: nucleic acid
145              (C) STRANDEDNESS: single
146              (D) TOPOLOGY: linear
148       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
150   GGGGGGGATA TCTCTCAGGC TGTTCACGCT G                          31
153 (2) INFORMATION FOR SEQ ID NO: 9:
155       (i) SEQUENCE CHARACTERISTICS:
156              (A) LENGTH: 46 base pairs
157              (B) TYPE: nucleic acid
158              (C) STRANDEDNESS: single
159              (D) TOPOLOGY: linear
161       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
163   GGGGGGTTCG AAAAGTGTAC TTACGGGGGG CTGGAATCTC AGGTTC          46
172 (2) INFORMATION FOR SEQ ID NO: 10:
174       (i) SEQUENCE CHARACTERISTICS:
175              (A) LENGTH: 37 base pairs
176              (B) TYPE: nucleic acid
177              (C) STRANDEDNESS: single
178              (D) TOPOLOGY: linear
180       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
182   GGGGGGCTCG AGTATCAAAG AAGAACATGT GATCATC                    37
185 (2) INFORMATION FOR SEQ ID NO: 11:
187       (i) SEQUENCE CHARACTERISTICS:
188              (A) LENGTH: 36 base pairs
189              (B) TYPE: nucleic acid
190              (C) STRANDEDNESS: single
191              (D) TOPOLOGY: linear
193       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
195   GCGGCGGGAT CCGTTCTCTG TAGTCTCTGG GAGAGG                     36
198 (2) INFORMATION FOR SEQ ID NO: 12:
200       (i) SEQUENCE CHARACTERISTICS:
201              (A) LENGTH: 42 base pairs
202              (B) TYPE: nucleic acid
203              (C) STRANDEDNESS: single
204              (D) TOPOLOGY: linear
206       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
208   GATAAGAGGA AGAAGAGTAC ATGCCGATGG AACCCGGGTG AG              42
211 (2) INFORMATION FOR SEQ ID NO: 13:
213       (i) SEQUENCE CHARACTERISTICS:
214              (A) LENGTH: 43 base pairs
215              (B) TYPE: nucleic acid
216              (C) STRANDEDNESS: single
217              (D) TOPOLOGY: linear
219       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
221   AATTCTTCAC CCGGGTTCCA TCGGCATGTA CTCTTCTTCC TCG             43
229 (2) INFORMATION FOR SEQ ID NO: 14:
231       (i) SEQUENCE CHARACTERISTICS:
232              (A) LENGTH: 75 base pairs
233              (B) TYPE: nucleic acid
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```
234              (C) STRANDEDNESS: single
235              (D) TOPOLOGY: linear
237         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
239   CCCCCCGCTA GCGGAGGGGG CGGAAGCGGC GGAGGGGGGG ACACCCGACC ACGTTTCCTG    60
240   TGGCAGCCTA AGAGG                                                      75
243   (2) INFORMATION FOR SEQ ID NO: 15:
245         (i) SEQUENCE CHARACTERISTICS:
246              (A) LENGTH: 48 base pairs
247              (B) TYPE: nucleic acid
248              (C) STRANDEDNESS: single
249              (D) TOPOLOGY: linear
251         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
253   CCCCCCGAAT TCCCCACTAG TCCATTCCAC TGTGAGAGGG CTTGTCAC                  48
256   (2) INFORMATION FOR SEQ ID NO: 16:
258         (i) SEQUENCE CHARACTERISTICS:
259              (A) LENGTH: 35 base pairs
260              (B) TYPE: nucleic acid
261              (C) STRANDEDNESS: single
262              (D) TOPOLOGY: linear
264         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
266   GGGGGGGCCA TGGCCTACGA CAGAACCCCG TGGTG                               35
269   (2) INFORMATION FOR SEQ ID NO: 17:
271         (i) SEQUENCE CHARACTERISTICS:
272              (A) LENGTH: 32 base pairs
273              (B) TYPE: nucleic acid
274              (C) STRANDEDNESS: single
275              (D) TOPOLOGY: linear
277         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
279   GGGGGGACTA GTTCGCCGCT GCACTGTGAA GC                                  32
286   (2) INFORMATION FOR SEQ ID NO: 18:
288         (i) SEQUENCE CHARACTERISTICS:
289              (A) LENGTH: 33 base pairs
290              (B) TYPE: nucleic acid
291              (C) STRANDEDNESS: single
292              (D) TOPOLOGY: linear
294         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
296   GGGGGGTATG CATACGACGA GAACCCCGTG GTG                                 33
299   (2) INFORMATION FOR SEQ ID NO: 19:
301         (i) SEQUENCE CHARACTERISTICS:
302              (A) LENGTH: 33 base pairs
303              (B) TYPE: nucleic acid
304              (C) STRANDEDNESS: single
305              (D) TOPOLOGY: linear
307         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
309   GGGGGGACTA GTCCACTTCG AGGAACTGTT TCC                                 33
312   (2) INFORMATION FOR SEQ ID NO: 20:
314         (i) SEQUENCE CHARACTERISTICS:
315              (A) LENGTH: 24 base pairs
316              (B) TYPE: nucleic acid
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RAW SEQUENCE LISTING       DATE: 05/30/2001
PATENT APPLICATION:  **US/09/766,378A**     TIME: 12:27:05

Input Set : **A:\PTO.txt**
Output Set: **C:\CRF3\05302001\I766378A.raw**

```
317             (C) STRANDEDNESS: single
318             (D) TOPOLOGY: linear
320     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
322  CCTCCTGGTC TCCTCTGTGA GTGG                                24
325 (2) INFORMATION FOR SEQ ID NO: 21:
327      (i) SEQUENCE CHARACTERISTICS:
328             (A) LENGTH: 24 base pairs
329             (B) TYPE: nucleic acid
330             (C) STRANDEDNESS: single
331             (D) TOPOLOGY: linear
333     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
335  CCACTCACAG AGGAGACCAG GAGG                                24
343 (2) INFORMATION FOR SEQ ID NO: 22:
345      (i) SEQUENCE CHARACTERISTICS:
346             (A) LENGTH: 30 base pairs
347             (B) TYPE: nucleic acid
348             (C) STRANDEDNESS: single
349             (D) TOPOLOGY: linear
351     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
353  CCCCCCACCG GTTACGACAA GCCCGTGGTG                          30
356 (2) INFORMATION FOR SEQ ID NO: 23:
358      (i) SEQUENCE CHARACTERISTICS:
359             (A) LENGTH: 45 base pairs
360             (B) TYPE: nucleic acid
361             (C) STRANDEDNESS: single
362             (D) TOPOLOGY: linear
364     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:
366  CCCCCCATCG ATAAGTGTAC TTACGTGGGA GAGGGCTTGG AGCAT          45
369 (2) INFORMATION FOR SEQ ID NO: 24:
371      (i) SEQUENCE CHARACTERISTICS:
372             (A) LENGTH: 1508 base pairs
373             (B) TYPE: nucleic acid
374             (C) STRANDEDNESS: single
375             (D) TOPOLOGY: linear
377     (ix) FEATURE:
379             (A) NAME/KEY: Coding Sequence
380             (B) LOCATION: 6...1505
381             (D) OTHER INFORMATION:
383     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:
385  CCACC ATG GCT CTG CAG ATC CCC AGC CTC CTC CTC TCA GCT GCT GTG GTG     50
386        Met Ala Leu Gln Ile Pro Ser Leu Leu Leu Ser Ala Ala Val Val
387         1               5                  10                  15
389  GTG CTG ATG GTG CTG AGC AGC CCA AGG ACC TTA AGT ATC TCT CAG GCT        98
390  Val Leu Met Val Leu Ser Ser Pro Arg Thr Leu Ser Ile Ser Gln Ala
391                  20                  25                  30
393  GTT CAC GCT GCT CAC GCT GAA ATC AAC GAA GCT GGT CGT GCT AGC GGA       146
394  Val His Ala Ala His Ala Glu Ile Asn Glu Ala Gly Arg Ala Ser Gly
395          35                  40                  45
397  GGG GGC GGA AGC GGC GGA GGG GGA AAC TCC GAA AGG CAT TTC GTG GTC       194
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**VERIFICATION SUMMARY**     DATE: 05/30/2001
PATENT APPLICATION:  **US/09/766,378A**     TIME: 12:27:06

Input Set : **A:\PTO.txt**
Output Set: **C:\CRF3\05302001\I766378A.raw**

L:3 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]
L:11 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]
L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]